

Rat Cold Inducible RNA Binding Protein (CIRBP) ELISA Kit | CIRBP elisa kit

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CATALOG #
AAA187184

REACTIVITY
Rat

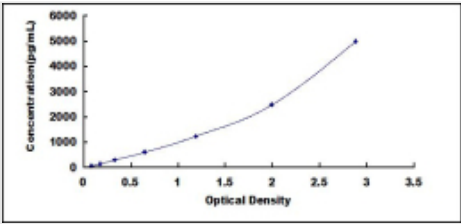
PRODUCT SYNONYMS

Cold Inducible RNA Binding Protein (CIRBP); Rat Cold Inducible RNA Binding Protein (CIRBP) ELISA Kit; CIRP; A18HNRNP; Glycine-Rich RNA Binding Protein; CIRBP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Cold Inducible RNA Binding Protein (CIRBP). No significant cross-reactivity or interference between Cold Inducible RNA Binding Protein (CIRBP) and analogues was observed.
Sequence Length	172
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates, Cell Lysates and Other Biological Fluids
Detection Range	78.12-5000pg/mL
Sensitivity	< 28pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Cold Inducible RNA Binding Protein (CIRBP) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Cold Inducible RNA Binding Protein (CIRBP) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CIRBP elisa kit

The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Cold Inducible RNA Binding Protein (CIRBP). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Cold Inducible RNA Binding Protein (CIRBP). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Cold Inducible RNA Binding Protein (CIRBP), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Cold Inducible RNA Binding Protein (CIRBP) in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	197692397
Molecular Weight	18,648 Da
NCBI Official Full Name	cold inducible RNA binding protein, partial
UniProt Protein Name	Cold inducible RNA binding protein
UniProt Gene Name	CIRBP

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/rat-elisa-kits/cold-inducible-rna-binding-protein-cirbp/187184>